COLLEGE OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE

Course title: **Selected topics in computer Science**

Course code:**CoSc4181**

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Citizenship Identification System

1. Introduction

Citizenship identification system is used by many governments to locate citizens, temporary residents for employment, taxation, government benefits, health care and others. An identifying number is assigned to each person, which appears on identity documents produced by a variety of countries. It registers and stores citizens information and different, various organizations will also get to search and view citizens information.

2. Objective

The objective of this project is to develop a computerized system that manages citizen's information.

3. Existing system

3.1 Overview

- ➢ The current system is done manually.
- ➢ Information is stored in a shelf and to some extent local computers.
- ➢ Doesn't have information sharing among kebeles
- ➢ Searching takes unnecessarily long time.

3.2 Actors of the existing system

- ➢ Kebele officers
  - o Record citizens information
  - o View citizens information
  - o Search citizens information
  - o Update citizens information

4. Proposed System

4.1 Overview

The system under development contain activities such as to:

- ➢ The new system records and stores citizens information
- ➢ The new system makes search and retrieval easy
- ➢ Gets rid of paper based system
- ➢ We will be able to update info easily.

4.2 Functional requirement

The new system includes:

- ➢ Register citizens information
- ➢ View citizens information
- ➢ Search citizens information
- ➢ Update citizens information
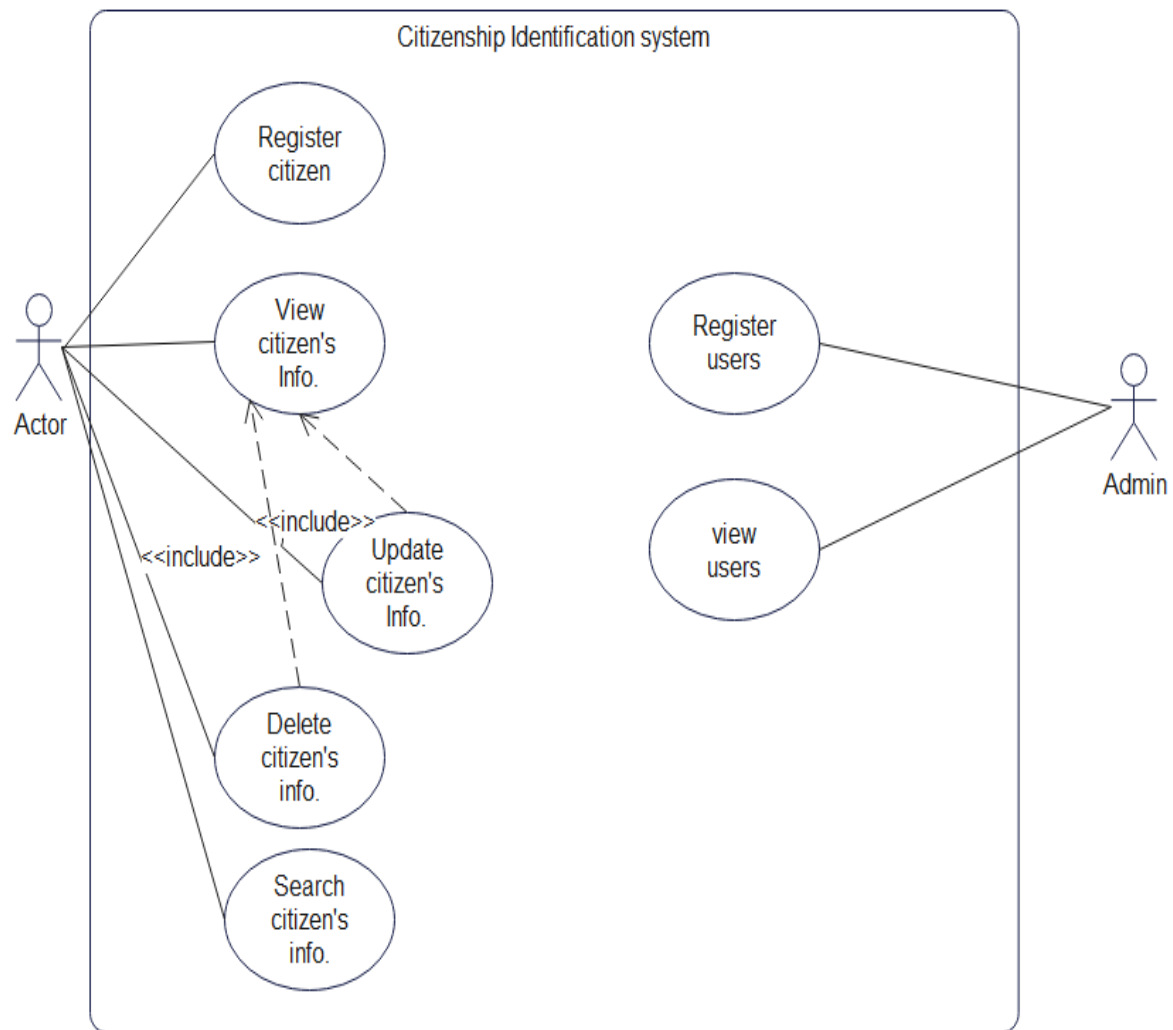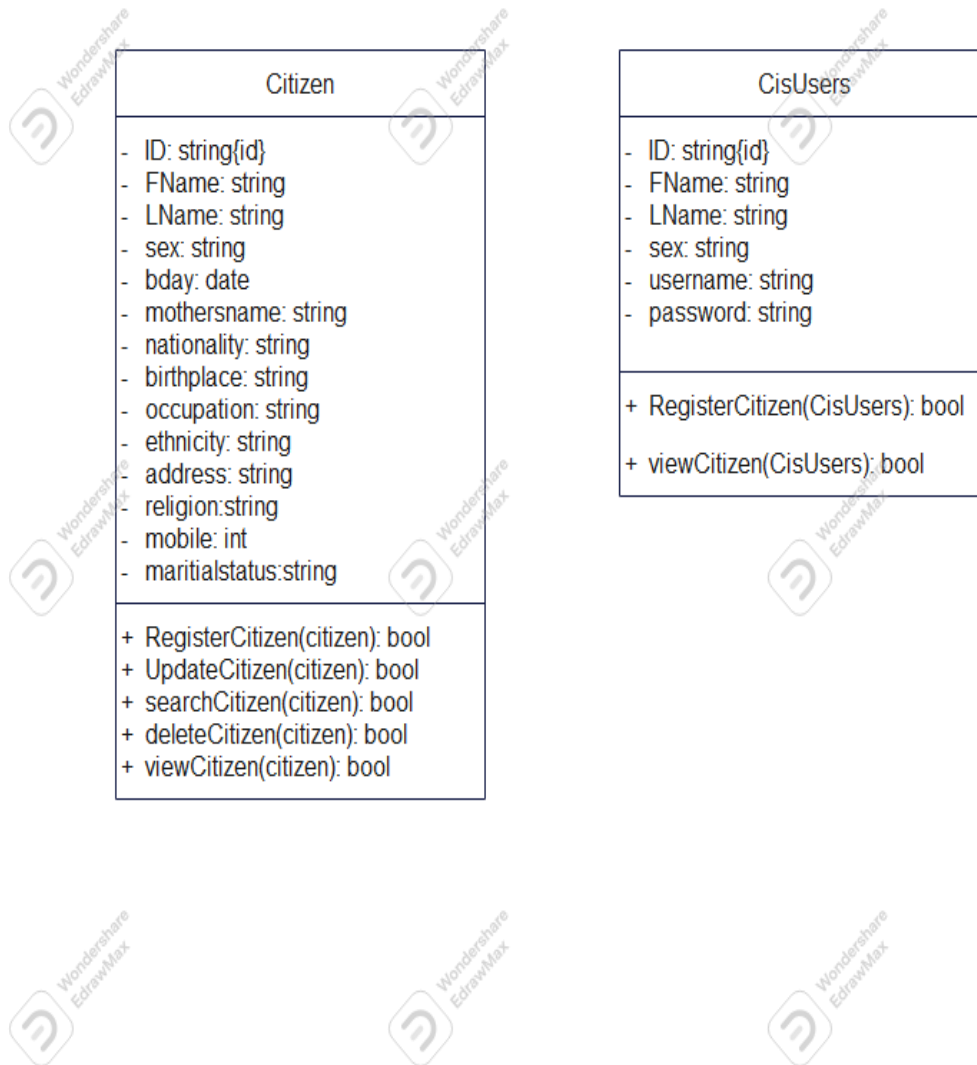
Fig 1 .Use case modelling

4.4 Class diagram

Citizen

- ID: string{id}
- FName: string
- LName: string
- sex: string
- bday: date
- mothersname: string
- nationality: string
- birthplace: string
- occupation: string
- ethnicity: string
- address: string
- religion:string
- mobile: int
- maritialstatus:string

+ RegisterCitizen(citizen): bool
+ UpdateCitizen(citizen): bool
+ searchCitizen(citizen): bool
+ deleteCitizen(citizen): bool
+ viewCitizen(citizen): bool

CisUsers

- ID: string{id}
- FName: string
- LName: string
- sex: string
- username: string
- password: string

+ RegisterCitizen(CisUsers): bool

+ viewCitizen(CisUsers): bool

Fig 2 Class diagram

4.5 Database design
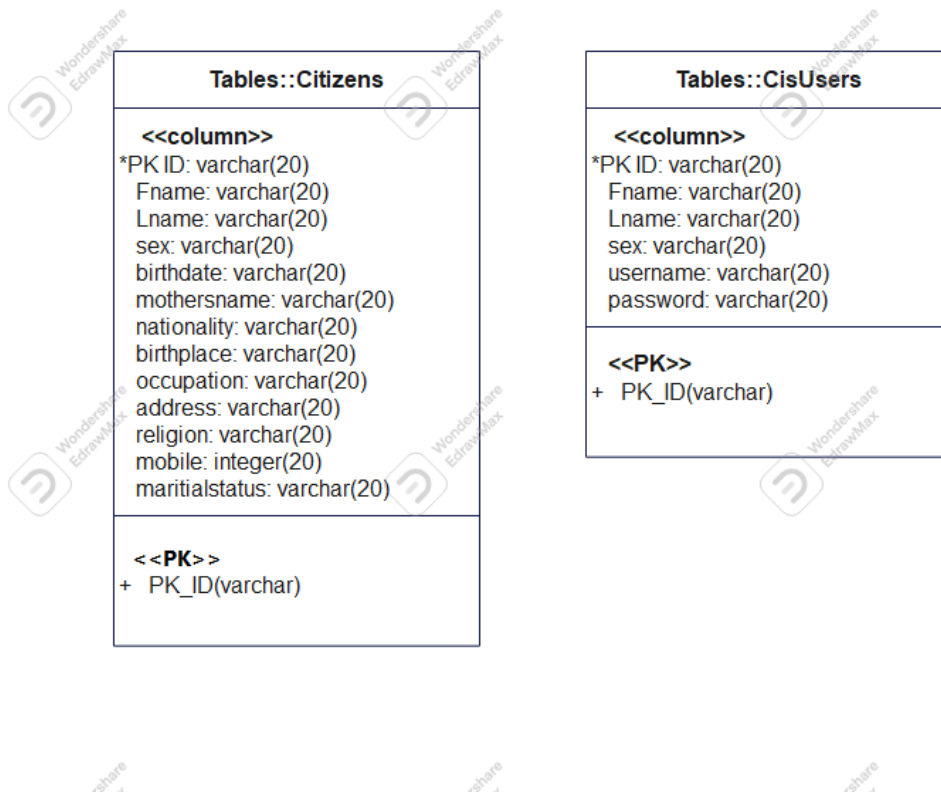
Fig 3. Database design

4.6 User Interface mockup

Fig 4. User interface mockup for register

Fig 5. User interface mockup for display citizens
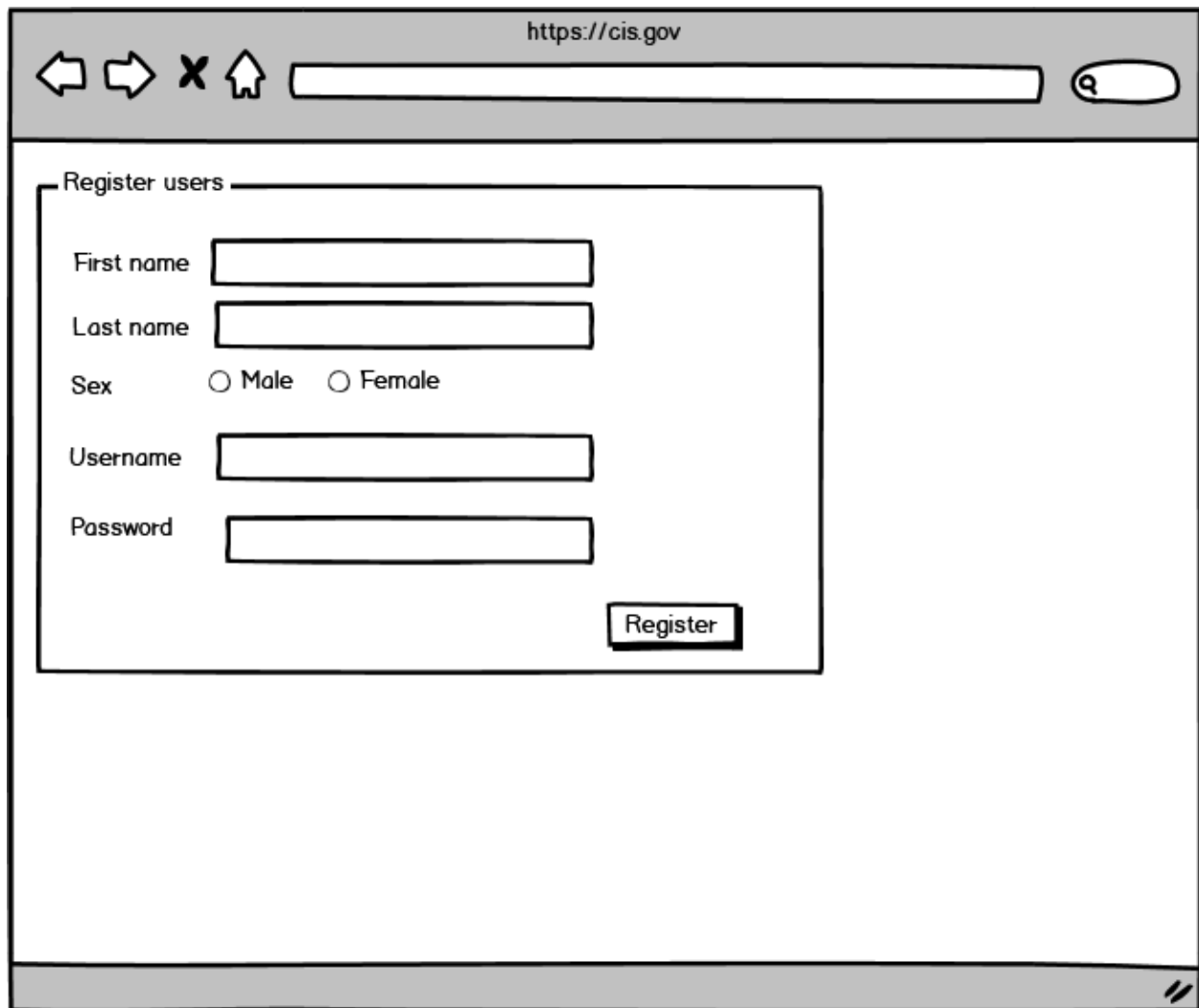
Fig 6. User interface mockup for update

Fig 7. User interface mockup for register user